



EC DECLARATION OF CONFORMITY

acc. to ATEX-Directive 94/9/EG (ATEX 95)
for three-phase cage motors D.XC with type of explosion protection "tD"
dust explosion protected for Zone 21

B 320.1100-13 E Rev.: 05/06 EE-gr/ef
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Danfoss Bauer GmbH

Postfach 10 02 08
D-73726 Esslingen
Eberhard-Bauer-Str. 36-60
D-73734 Esslingen
Telefon: (0711) 35 18 0
Telefax: (0711) 35 18 381
e-mail: info@danfoss-bauer.de
Homepage: www.danfoss-bauer.de

Three-phase cage motors of type series

D.XC04, D.XC05, D.XC06, D.XC07, D.XC08, D.XC09, D.XC11, D.XC13, D.XC16, D.XC18

of special design with dust explosion protection EEx tD T<160 °C

optionally with built-on tachogenerator or back stop

comply with the requirements of the following European Directive(s) in their latest version

94/9/EG

Directive of the European Parliament and the Council on the approximation of the laws of the Member States concerning equipment and protective systems intended for use in potentially explosive atmospheres

proved by EC Type-Examination Certification (EC Prototype Test Certificate)

by the Notified Body BVS (Identification No. 0158)

BVS 04 ATEX E 128

and compliance with the following standards and regulations:

"Electrical apparatus for use in the presence of combustible dust"

EN 50281-1-1 Electrical apparatus protected by enclosures; construction and testing

EN 61241-0 General requirements (currently in the draft state)

EN 61241-1 Protection by enclosures "tD" (currently in the draft state)

Notes:

The maximum surface temperature of the enclosure (related to ambient temperature 40 °C) is well below 160 °C.

The drive units can be used in areas with combustible dusts having an

ignition temperature of a cloud > 240 °C

ignition temperature of a 5 mm layer > 235 °C.

Converters for installation outside classified areas:

Converters of Danfoss type series VLT; 2800; 5000; 6000; FCD 300; FC 300.

Converters of other make shall comply with the requirements of BAUER Operating Instructions 170 04 E

Installer and user must observe installation rules EN 50281-1-2 resp. prEN 61241-14 such as:

- For both feeding from the mains or via inverter supply the motor winding thermistors together with a function tested relay must be used as sole means of overload protection.
- Cable inlets must at least comply with degree of protection IP6X in accordance with EN 60529 in order to be dust protected.

The safety instructions in the documentation attached to the product (e. g. operating instructions) must be followed.

Esslingen, date of the initial edition 01.10.2004

Danfoss Bauer GmbH

i.V. Dipl.-Ing. Eiffler
(Head of EE)

i.V. Dipl.-Ing. Fuchs
(Head of QW)

This declaration certifies the compliance with the indicated directives but implies no warranty of properties.

BAUER geared motors

Erfüllungsort und Gerichtsstand: 73734 Esslingen Sitz: Esslingen-Neckar Registergericht: Amtsgericht Stuttgart HRB 213759
Ust-IdNr.: DE812722413 Geschäftsführer: Dr. Thomas Koniordos